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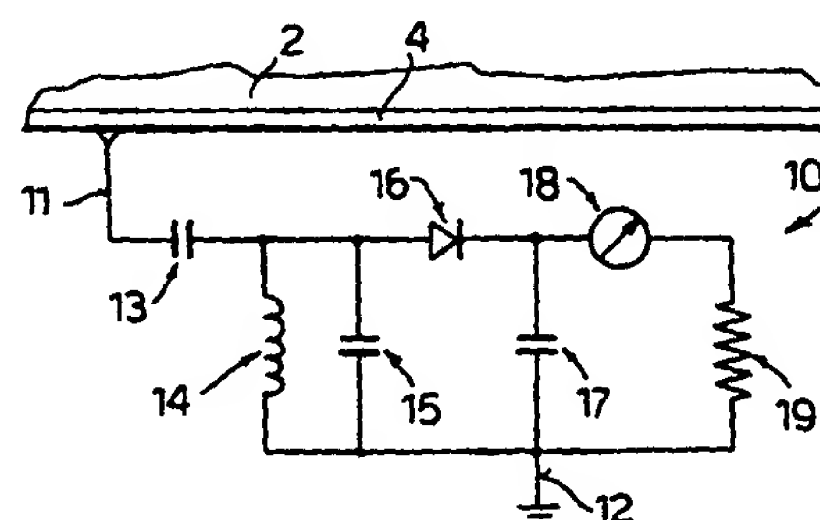
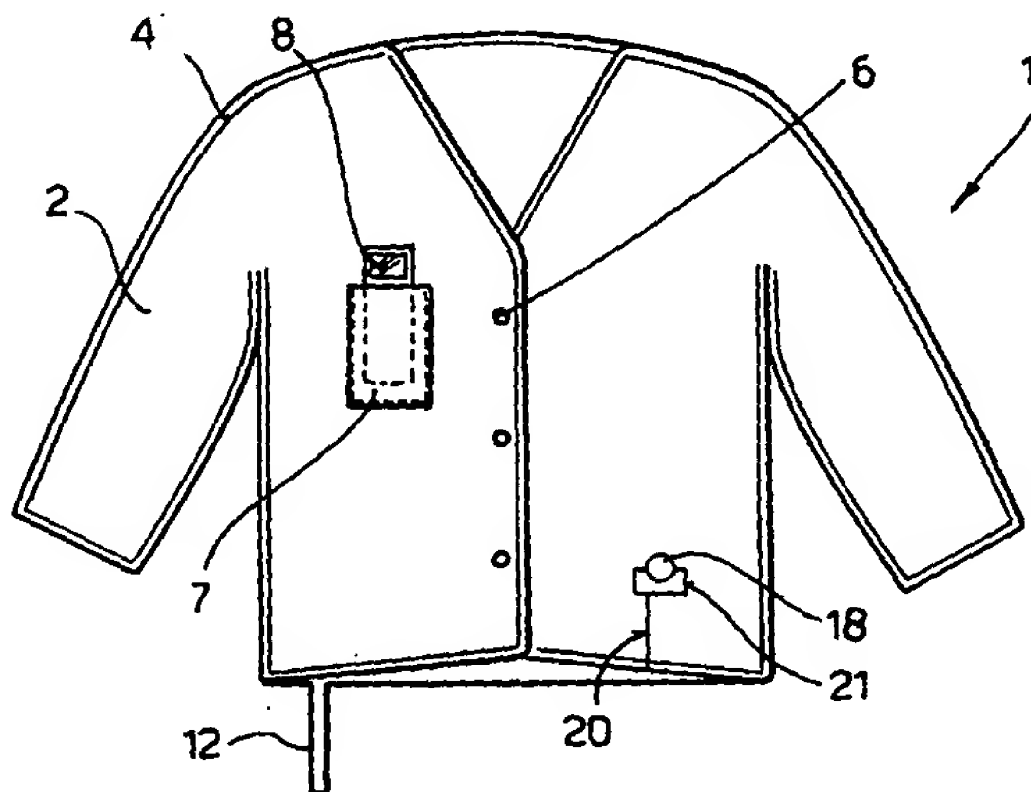
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(54) Title: ELECTROMAGNETIC FIELD DEFLECTING GARMENT

## (57) Abstract

An electromagnetic field deflecting garment made up of a dry knitted conductive fabric (2) with conductive filaments (3) disposed in parallel fashion, edged with a lattice conductive fabric (4) with filaments (5) disposed in a criss-crossed pattern, an electrical circuit (10) able to disperse the electromagnetic signal coming from the garment being connected to said fabric (4).



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# INTERNATIONAL SEARCH REPORT

Interr      1st Application No

PCT/EP 98/07556

**A. CLASSIFICATION OF SUBJECT MATTER**  
 IPC 6    A41D13/00    G21F3/02    H05K9/00

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

IPC 6    A41D    A42B    G21F    H05K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y,P	PATENT ABSTRACTS OF JAPAN vol. 098, no. 013, 30 November 1998 & JP 10 226908 A (BLUE LOCK:KK), 25 August 1998 see abstract ---	1
Y	US 5 073 984 A (NISSHINBO INDUSTRIES INC.) 24 December 1991	1
A	see column 3, line 6 - column 4, line 25; claims 1,2,6,8; figures 1-7B ---	9,11
A,P	DE 196 33 315 A (W. AHRENS) 26 February 1998 see column 1, line 20 - column 2, line 44; figures 1-4 ---	1,11
A	DE 296 12 459 U (A. LANGE) 17 October 1996 see the whole document ---	1
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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	FR 2 745 690 A (EGIS S.A.R.L.) 12 September 1997 see page 2, line 1 - page 3, line 17; claim 1 ---	1
A	WO 97 15931 A (VIGNUDELLI A.) 1 May 1997 see page 3, line 20 - page 5, line 2; claims 1,2; figures 1-6 -----	1-3

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP 98/07556

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 5073984 A	24-12-1991	KR 9709623 B	17-06-1997
DE 19633315 A	26-02-1998	NONE	
DE 29612459 U	17-10-1996	NONE	
FR 2745690 A	12-09-1997	NONE	
WO 9715931 A	01-05-1997	IT 80950509 A	28-04-1997
		AU 7332396 A	15-05-1997
		EP 0857347 A	12-08-1998